

**Standard Statement:****Mandatory Document**

The Laboratory's goal is to accomplish its mission cost-effectively while striving for an injury-free workplace, minimizing waste streams, and avoiding adverse impacts to the environment from its operations.

All packaging and transportation activities will be conducted in a manner that protects the environment, workers, and the public in accordance with Work Smart Standards.

**General****Performance Criteria:**

1. The Laboratory shall establish and maintain an effective packaging and transportation system in accordance with integrated safety management.
2. Packaging and transportation of materials to/from destinations/origins outside of LANL/DOE property must be done in accordance with the following:
  - 2.1 DOT-defined hazardous materials regulations
  - 2.2 DOT federal motor carrier safety regulations
  - 2.3 International Civil Aviation Organization/International Air Transport Association Regulations (ICAO/IATA)
  - 2.4 New Mexico State regulations pertaining to transportation of materials
  - 2.5 Nuclear Regulatory Commission regulations pertaining to packaging of radioactive materials
  - 2.6 Explosives and explosive items shall comply with DoD TB 700-2, Tiedown for Weapons and DOE M 440.1-1 Explosive Safety Manual, as applicable.
  - 2.7 Nuclear explosives, nuclear components, and special assemblies shall be addressed in accordance with standards being developed with DOE O 461.
  - 2.8 Motor carrier operations involving packaging and transportation of hazardous and nonhazardous material by the Laboratory shall be performed in a manner to
    - protect employees, the public, property, and the environment
    - comply with applicable state and federal regulations related to the operation and routing of commercial motor vehicles.
3. Packaging and transportation of materials within LANL/DOE property boundaries must be done in accordance with the requirements defined in the LANL Packaging and Transportation Manual.
4. Institutional packaging and transportation requirements/guidance that address packaging and transportation Work Smart Standards must be made available to all Laboratory organizations, including subcontractors.
5. Roles and responsibilities are clearly defined. Authorities are commensurate with responsibilities. All personnel are provided appropriate resources and are held accountable for carrying out assigned responsibilities.
6. Training qualifications and requirements are identified and documented as appropriate and as required.

**Contractual Work Smart Standards:**

10 CFR 71, Packaging and Transportation of Radioactive Material

10 CFR 871, Air Transportation of Plutonium

49 CFR 106 through 180, 325 through 399, Transportation

DoD TB 700-2, Explosives Classification

DoD TP 45-51D, Tiedown for Weapons

DOE M 440.1-1, Revision 8, 3/96, Explosives Safety Manual

DOE O 460.1a, Packaging and Transportation Safety, Attachment 1, Contractor Requirements Document, Paragraphs 2 and 6

International Civil Aviation Organization/International Air Transport Association Regulations (ICAO/IATA)

International Maritime of Dangerous Goods Code (IMDG)

New Mexico NM-MCS-96

LANL Packaging and Transportation Manual (in development)